

Exhibit A

Employment History

June 2000 – Present

Senior Crop Protection Scientist

Manage the technical aspects of domestic and international agricultural spray oil products from R&D to end-use stage. Responsible for conception and investigation of new product ideas and technologies, patent stewardship, technical marketing, management of field trials, product label claims and registration. Ensure up-to-date formulations are maintained. Coordinate, supervise and conduct fundamental research as required. Maintain a working scientific knowledge across several disciplines including plant physiology, chemistry, entomology and environmental science.

Responsibilities –

- Research, development and stewardship of new and existing spray oil products.
- Recognition and resolution of the technical shortcomings in spray oil product marketing. Ensure that these technical needs are addressed in all fundamental research projects commissioned. Guide product development
- Direct liaison with patent attorneys and provision of technical guidance in drafting patent documents.
- Domestic and international technical support for field marketing personnel. Educate, advise and provide technical assistance as required. Design and formulate products for these individual markets.
- Coordination of external research projects with, NSWAg, ACRI – Narrabri, Qld DPI, CSIRO, SARDI, and UQ.
- Product registration
- Field trial design for cotton, citrus, banana, vegetable, and broadacre products. Source and coordinate suitable industry consultants and design treatment regimes, application rates, timing etc.
- Preparation and delivery of presentations to audiences ranging from academic to industry and grower groups. As part of the agricultural marketing team, I often present to distributor groups and end-users.
- Supervision of the Crop Protection Chemist
- Production trouble-shooting

Achievements –

- Successful stewardship and technical marketing of a new cotton insecticide adjuvant

- Successful technical stewardship and technical marketing of a new horticultural insecticide and adjuvant spray oils
- Identified and addressed the causes of spray oil induced phytotoxicity. Commissioned further research in an Honours/PhD project at the University of Queensland.
- Initiation and promotion of technical alliance with leading additive manufacturer and supplier. This alliance provides Caltex with access to up-to-the-minute advice on formulation and spray oil additive technologies.
- Inventorship status for two product patents
- Design of a new, superior herbicide adjuvant spray-oil
- Continued international exposure and credibility for Caltex from regular submissions to prestigious conferences in the trade.

May 1996 – June 2000

Crop Protection Chemist – Agricultural Spray Oils Caltex Australia

Management responsibility for the technical aspects of Caltex's insecticidal petroleum spray oils and adjuvants. Conceptual design of insecticidal products for cotton, citrus, banana, other horticultural and broadacre markets; design and trialing of new spray oil adjuvant technology; fundamental research into mechanisms of spray oil efficacy and phytotoxicity.

Responsibilities

- Research, development and stewardship of new and existing spray oil products.
- Technical input to drafting of patent documents.
- Domestic and international technical support for field marketing personnel.
- Coordination of external research projects
- Technical aspects of product registration
- Development and production of field trial product treatments.
- Production QC method design and development
- Competitor product evaluations
- Preparation and delivery of technical presentations.
- Production trouble-shooting.

Achievements -

- Development of original quality control technique method
- Development of an empirical model to predict spray oil uptake rates of plants.
- Ensuring Caltex appropriate credibility and exposure on a world stage through the delivery of four papers, including a symposium plenary, and one poster, to a

major international academic conference, *Petroleum Spray Oils, Beyond 2000*, Sydney, 1999.

- Fostering a relationship with international commercial partners.
- Designed and formulated a superior cotton defoliant spray oil adjuvant. Fundamental research using chlorophyll fluorescence provided data enabling new formulation directions and ensured Caltex significant potential market advantage.
- Provision of a major technical submission to insurers that averted a large product compensation claim.

August 1993 – May 1996

**Analytical Chemist – Pesticide Residues
Queensland Health Scientific Services**

Method development for the extraction and analysis of pesticide residues from fruit, vegetables and environmental samples and collaborative project work on the environmental fate of pesticides such as arsenic from cattle dips. Routine monitoring of pesticide levels for MRLs in foods.

March 1993 – August 1993

**Senior Research Assistant – National Research
Centre for Environmental Toxicology**

Method development for the quantitative speciation of arsenic metabolites.

May – October 1992

**Postdoctoral Research – University of Wales
College of Cardiff**

Compilation of a thermodynamic database for use in the computer modelling of the speciation of metal ions in high temperature boiler waters.

July 1988 – February 1992

**PhD Research Degree – Chemistry Department
University of Queensland**

Thesis: The Determination of Microbial Influence on Manganese Speciation in a Storage Dam.